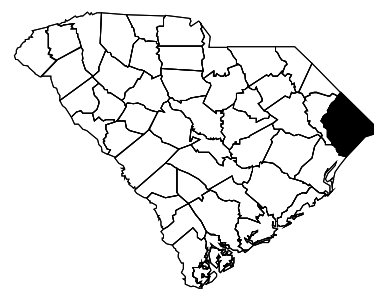


# IMPACT OF CHRONIC CONDITIONS HORRY County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Horry county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Horry county's population is similar to the state population. The majority (38%) of the population in Horry county are between the ages of 18-44, and there are more females (51%) than males (49%). Horry county has a lower minority population (17%) than the state (31%). Horry county's population aged 65 and older (16%) is higher than the state (12%). When adults in DHEC's Region 6, which includes Horry County, were asked about their general health status, 83.6% reported having excellent, very good, or good health in 2005 (SC was 82%).

	<b>HORRY COUNTY</b>	<b>STATE</b>
<b>Population size</b>	226,992	4,255,083
<b>Age distribution (%)</b>		
<18	21	24
18-44	38	38
45-64	25	25
65-84	14	11
85+	1	2
<b>Race (%)</b>		
White	83	69
Black & Other	17	31
<b>Sex (%)</b>		
Male	49	49
Female	51	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Horry County.

<b>RISK FACTOR</b>	<b>COUNTY (%)</b>	<b>STATE (%)</b>
Current smoking	30	22
Sedentary lifestyle	22	26
Overweight	62	65
High Cholesterol	35	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons 65 years and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

<b>HYPERTENSION AND HYPERTENSIVE DISEASE</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	28.3	-	-	-	-	31.7
Number of hospitalizations	229	96	133	92	137	5,032
Crude rate of hospitalizations (per 100,000)	101	253	70	82	119	118
Median age of hospitalized patients	62	52	67	57	62	62
Total cost of hospitalization (\$)	4,605,700	1,844,200	2,761,500	2,066,600	2,539,100	109,400,500
Average length of hospital stay (days)	5	5	5	5	5	5
Number of ED visits	371	145	226	175	196	7,466
Crude rate of ED visits (per 100,000)	163	382	120	157	170	175
Median age of ED patients	57	47	62	52	57	52
Total cost of ED visits (\$)	474,900	163,800	311,100	196,300	278,600	9,929,000
Number of deaths**	19	7	12	3	16	423
Age-Adjusted Death rate (per 100,000)**	8	31	5	3	12	10

<b>DISEASES OF THE HEART</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.6					4.1
Number of hospitalizations	3,961	545	3,416	2,319	1,642	60,901
Crude rate of hospitalizations (per 100,000)	1,745	1,435	1,807	2,075	1,425	1,431
Median age of hospitalized patients	67	62	67	67	72	67
Total cost of hospitalization (\$)	131,798,200	14,132,200	117,666,000	85,720,300	46,077,900	2,286,836,400
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ED visits	602	117	485	354	248	12,989
Crude rate of ED visits (per 100,000)	265	308	257	317	215	305
Median age of ED patients	67	62	67	62	67	62
Total cost of ED visits (\$)	1,609,200	280,200	1,329,000	965,500	643,700	42,115,900
Number of deaths**	541	60	479	301	240	9,328
Age-Adjusted Death rate (per 100,000)**	210	255	206	258	166	218

<b>STROKE</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.2	-	-	-	-	3
Number of hospitalizations	844	167	677	397	447	13,925
Crude rate of hospitalizations (per 100,000)	372	440	358	355	388	327
Median age of hospitalized patients	67	62	72	67	72	72
Total cost of hospitalization (\$)	17,633,200	3,849,800	13,783,400	7,782,000	9,851,200	384,441,600
Average length of hospital stay (days)	6	7	5	5	6	6
Number of ED visits	143	31	112	87	56	2,515
Crude rate of ED visits (per 100,000)	63	82	59	78	49	59
Median age of ED patients	67	57	67	67	67	67
Total cost of ED visits (\$)	484,400	104,500	379,900	285,600	198,800	9,113,000
Number of deaths**	138	24	114	55	83	2,440
Age-Adjusted Death rate (per 100,000)**	55	103	49	50	58	59

<b>CHRONIC OBSTRUCTIVE PULMONARY DISEASE</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1,115	144	971	465	650	15,753
Crude rate of hospitalizations (per 100,000)	491	379	514	416	564	370
Median age of hospitalized patients	67	52	67	67	67	62
Total cost of hospitalization (\$)	15,304,000	1,459,600	13,844,400	6,185,800	9,118,200	268,425,300
Average length of hospital stay (days)	4	3	5	4	5	5
Number of ED visits	1,681	580	1,101	708	973	36,543
Crude rate of ED visits (per 100,000)	741	1,528	582	634	844	859
Median age of ED patients	37	27	42	37	37	37
Total cost of ED visits (\$)	1,447,500	422,600	1,024,900	634,700	812,800	40,613,700
Number of deaths**	105	4	101	47	58	1,968
Age-Adjusted Death rate (per 100,000)**	40	16	42	42	39	46

<b>DIABETES</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	10.6	-	-	-	-	10.3
Number of hospitalizations	419	152	267	220	199	9,027
Crude rate of hospitalizations (per 100,000)	185	400	141	197	173	212
Median age of hospitalized patients	52	47	57	52	57	52
Total cost of hospitalization (\$)	6,874,000	2,013,400	4,860,600	3,760,600	3,113,400	179,747,700
Average length of hospital stay (days)	5	4	5	5	5	6
Number of ED visits	338	161	177	152	186	9,603
Crude rate of ED visits (per 100,000)	149	424	94	136	161	226
Median age of ED patients	52	52	52	52	52	52
Total cost of ED visits (\$)	391,900	186,800	205,100	176,200	215,700	13,447,300
Number of deaths**	64	12	52	29	35	1,183
Age-Adjusted Death rate (per 100,000)**	24	49	22	23	24	27

<b>ALL CANCERS</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	914	130	784	477	437	16,389
Crude rate of hospitalizations (per 100,000)	403	342	415	427	379	385
Median age of hospitalized patients	67	57	67	67	62	62
Total cost of hospitalization (\$)	29,399,000	3,942,900	25,456,100	16,186,900	13,212,100	664,309,500
Average length of hospital stay (days)	7	7	7	7	7	8
Number of deaths**	556	52	502	302	254	8,617
Age-Adjusted Death rate (per 100,000)**	205	209	206	245	173	196

<b>COLORECTAL CANCER</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	142	15	127	79	63	2,070
Crude rate of hospitalizations (per 100,000)	63	40	67	71	55	49
Median age of hospitalized patients	67	67	67	67	67	67
Total cost of hospitalization (\$)	6,117,300	544,000	5,573,300	3,661,000	2,456,300	101,377,700
Average length of hospital stay (days)	9	10	8	9	8	10
Number of deaths**	59	6	53	38	21	812
Age-Adjusted Death rate (per 100,000)**	23	26	23	32	15	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	32	4	28	-	32	1,228
Crude rate of hospitalizations (per 100,000)	28	21	29	.	31	56
Median age of hospitalized patients	57	45	57	-	57	62
Total cost of hospitalization (\$)	575,200	83,300	491,900	-	575,200	26,163,000
Average length of hospital stay (days)	3	6	2	-	3	3
Number of deaths**	37	4	33	-	37	651
Age-Adjusted Death rate (per 100,000)**	26	24	25	-	26	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	7	1	6	-	7	192
Crude rate of hospitalizations (per 100,000)	6	5	6	-	6	9
Median age of hospitalized patients	47	47	55	-	47	47
Total cost of hospitalization (\$)	150,300	24,900	125,400	-	150,300	4,668,500
Average length of hospital stay (days)	5	5	5	-	5	4
Number of deaths**	2	-	2	-	2	63
Age-Adjusted Death rate (per 100,000)**	1	-	1	-	1	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	124	13	111	72	52	2,181
Crude rate of hospitalizations (per 100,000)	55	34	59	64	45	51
Median age of hospitalized patients	67	62	67	67	62	67
Total cost of hospitalization (\$)	4,379,500	384,600	3,994,900	2,308,600	2,070,900	92,775,300
Average length of hospital stay (days)	7	6	7	7	7	9
Number of deaths**	185	14	169	109	76	2,703
Age-Adjusted Death rate (per 100,000)**	66	51	67	86	50	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	79	13	66	79	-	1,209
Crude rate of hospitalizations (per 100,000)	71	70	71	61	-	58
Median age of hospitalized patients	62	67	62	62	-	62
Total cost of hospitalization (\$)	1,426,700	246,200	1,180,500	1,426,700	-	30,356,600
Average length of hospital stay (days)	3	3	3	3	-	4
Number of deaths**	19	4	15	19	-	460
Age-Adjusted Death rate (per 100,000)**	18	76	15	18	-	30

\*Prevalence estimates at regional level

\*\*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

#### For more information about

##### Chronic diseases in South Carolina contact:

Khosrow Heidari  
Bureau of Community Health and Chronic Disease Prevention  
SC Department of Health and Environmental Control  
1777 St. Julian Place  
Columbia, SC 29204  
Tel (803) 545-4928

##### Hospital discharges and ED visits, contact:

Sandra Kelly  
Office of Research and Statistics  
SC Budget and Control Board  
1919 Blanding Street  
Columbia, SC 29201  
(803) 898-9958  
[skelly@ors.state.sc.us](mailto:skelly@ors.state.sc.us)

